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Niniane Wang

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EXAMINER

ROSE, HELENE ROBERTA

ART UNIT

PAPER NUMBER

2163

DATE MAILED: 10/05/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/813,875

Applicant(s)

WANG ET AL.

Examiner

Helene Rose

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ____ MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 31 March 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-53 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☐ Claim(s) ____ is/are rejected.
- 7) ☒ Claim(s) 1-53 is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 31 March 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 10/20/04.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: ____.

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Detailed Action

1. Claim 1-53 have been presented for examination.
2. Claims 1-53 have been rejected.

Information Disclosure Statement

3. The information disclosure statement (IDS) submitted on 3/31/200, accordingly, the information disclosure statement is being considered by the examiner.

Claim Rejections – 35 U.S.C – 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

5. Claims 1-53 are rejected under 35 U.S.C. 102(b) as being anticipated by Ryan et al. (US Patent No. 6,421,675, Date of Patent: July 16, 20002).

Claims 1 and 27:

Regarding Claims 1 and 27, discloses a method/computer-readable medium utilizing the same functionality, wherein Ryan discloses a method/computer-readable medium containing program code comprising:

program code for receiving an event, wherein the event comprises a user interaction with an article on a client device, wherein the article is capable of being associated with at least one of a plurality of client applications (column 4, lines 12-15, wherein sequences of coded program instructions operated upon by a server computer; Figure 2, diagram 50, data inputs to the search engine, diagram 90, wherein a list of web pages are shown, diagram 52, wherein a user can find a list of web pages based on a word or phrase

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search, diagram 58, wherein a searcher can determine the type of search results they would like such as popular, new, and etc, see column 5, lines 11-65, wherein different types of searches can be operated by a user, Ryan);

program code for extracting at least one keyword from the event (Figure 1 A, diagrams 14 and 28, Ryan);

program code for generating a query based at least in part on the at least one keyword (Figure 1A, diagram 32, Ryan);

program code for performing a search of events based at least in part on the query to determine a result set, wherein the result set comprises one or more article identifiers associated with articles relevant to the query (column 6, lines 40-45; lines 55-67, Ryan); and

program code for ranking the article identifiers (column 6, lines 30-36 Ryan).

Claims 2 and 28:

Regarding Claims 2 and 28, Ryan teaches wherein ranking the article identifiers is based at least in part on a user preference (Figure 3B, all features, Ryan).

Claims 3 and 29

Regarding Claims 3 and 29, Ryan teaches wherein the user preference is based at least in part on click-through data (Figure 3B, wherein user selection from hit list, Ryan).

Claims 4 and 30

Regarding Claims 4 and 30, Ryan teaches wherein the user preference is based at least in part on file type (column 8, lines 47-49, wherein the user enters up to 4 sets of data; keyword; profile types; search type and user id; column 14, lines 31-52, Ryan).

Claims 5 and 31:

Regarding Claims 5 and 31, Ryan teaches wherein ranking the article identifiers is based at least in part on meta-data associated with an article (Figures 19 and 20, all features, wherein defined in column 28, lines 19-53; column 30, lines 62-66, wherein each content transmitted with the search results made up of web pages listing is tagged, wherein meta-data is interpreted to be data used to describe other data, Ryan).

Claims 6 and 32:

Regarding Claims 6 and 32, Ryan teaches wherein the meta-data comprises at east one of bolding, highlighting, italicizing, font color, or heading data (column 30, lines 13-14, Ryan).

Claims 7 and 33:

Regarding Claims 7 and 33, Ryan teaches wherein ranking the article identifiers is based at least in part on a term frequency and a document frequency (column 21, lines 1-3, wherein frequency of key word usage; column 30, lines 21-22, found from keyword table 164; column 12, wherein table 2 illustrates a frequency of a URL, i.e. webpage, is visited, Ryan).

Claims 8 and 34:

Regarding Claims 8 and 34, Ryan teaches wherein ranking the article identifiers is proportional to the log of the sum of a first constant plus the term frequency and inversely proportional to the log of the sum of a second constant plus the document frequency (column 13, lines 55-61, Ryan).

Claims 9 and 35:

Regarding Claims 9 and 35, Ryan teaches wherein ranking the article identifiers is proportional to the log of the sum of a constant plus a term frequency and inversely proportional to the output of a mapping function that maps ranges of document frequency into constants (columns 17-18, lines 40-55 and lines 1-10, wherein a historical factor, and a URL address hit is computed; column 38, lines 7-10, wherein a statistical analysis is performed, Ryan)

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Claims 10 and 36:

Regarding Claims 10 and 36, Ryan teaches wherein ranking the article identifiers is based at least in part on number data (column 11, wherein table one is defined; column 13, lines 54-59, Ryan).

Claims 11 and 37:

Regarding Claims 11 and 37, Ryan teaches wherein the number data comprises a number of letters in the keyword (column 14, lines 57-67, wherein table six is defined and illustrates letters associated with a keyword, Ryan).

Claims 12 and 38:

Regarding Claims 12 and 38, Ryan teaches wherein the number data comprises whether a keyword comprises numbers (column 11, lines 30-40, wherein table 1 a unique number for each keyword, Ryan).

Claims 13 and 39:

Regarding Claims 13 and 39, Ryan teaches wherein ranking the article identifiers is based at least in part on capitalization data (column 31, lines 28-30, wherein a dollar symbol is associated with a bid, Ryan).

Claims 14 and 40:

Regarding Claims 14 and 40, Ryan teaches wherein ranking the article identifiers is based at least in part on a number of sources from which the keyword was extracted (Figure 19, all features, Ryan).

Claims 15 and 41:

Regarding Claims 15 and 41, Ryan teaches wherein ranking the article identifiers is based at least in part on a number of result sets in which the result appears (Figure 24, all features, Ryan).

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Claims 16 and 42:

Regarding Claims 16 and 42, Ryan teaches wherein the keywords are associated with keyword ranking scores (column 20, lines 34-37, Ryan).

Claims 17 and 43:

Regarding Claims 17 and 43, Ryan teaches wherein ranking the article identifiers is based at least in part on the keyword ranking scores (column 21, lines 51-67, Ryan).

Claims 18 and 44:

Regarding Claims 18 and 44, Ryan teaches wherein ranking the article identifiers comprises assigning a higher ranking to article identifiers associated with articles containing higher ranked keywords (column 21, lines 65-67, Ryan).

Claims 19 and 45:

Regarding Claims 19 and 45, Ryan teaches wherein extracting at least one keyword from an event comprises extracting a keyword from at least one of recently typed words, an entire document, a selected portion of a document, or words surrounding a cursor (columns 22-23, lines 65-67 and lines 1-5, Ryan).

Claims 20 and 46:

Regarding Claims 20 and 46, Ryan teaches wherein extracting at least one keyword from an event comprises determining proper names (column 18, lines 45-67, Ryan).

Claims 21 and 47:

Regarding Claims 21 and 47, Ryan teaches wherein determining proper names comprises crawling at least one article (column 5, lines 42-44, wherein target audience, are based on profile types; column 6, lines 55-60; column 19, lines 31-33, wherein sending specialist crawlers out to find web site addresses and key words, Ryan).

Claims 22 and 48:

Regarding Claims 22 and 48 discloses a method/computer-readable medium utilizing the same functionality, wherein Ryan discloses a method/computer-readable medium containing program code comprising:

program code for receiving an event, wherein the event comprises a user interaction with an article on a client device, wherein the article is capable of being associated with at least one of a plurality of client applications (Refer to claims 1 and 27, wherein this limitation has already been addressed, Ryan);

program code for extracting at least one keyword from the event (Refer to claims 1 and 27, wherein this limitation has already been addressed, Ryan);

program code for generating a query based at least in part on the at least one keyword (Refer to claims 1 and 27, wherein this limitation has already been addressed, Ryan);

program code for performing a search based at least in part on the query to determine a result set, wherein the result set comprises one or more article identifiers associated with articles comprising the at least one keyword (Refer to claims 1 and 27, wherein this limitation has already been addressed, Ryan);

program code for filtering the article identifiers in the result set based on a threshold (columns 16-17, lines 61-67 and lines 1-6, wherein illustrated within table 8, Ryan); and

program code for outputting the result set (Figure 25, all features and column 33, lines 23-27, Ryan).

Claims 23 and 49:

Regarding Claims 23 and 49, Ryan teaches wherein the threshold comprises a number of keywords (Figure 1A, diagram 14, Ryan).

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Claims 24 and 50:

Regarding Claims 24 and 50, Ryan teaches wherein the threshold comprises a minimum weighting score based at least in part on one or more of a number of keywords multiplier, a source multiplier, and a time multiplier (column 25, lines 17-22, Ryan).

Claims 25 and 51:

Regarding Claims 25 and 51, Ryan teaches determining a ranking score for each of the one or more articles identifiers (column 33, lines 31-35, wherein the highest value of p for the keyword or profile type determines the type of content that is transmitted along with the web page listing, Ryan).

Claims 26 and 52:

Regarding Claims 26 and 52, Ryan teaches arranging the article identifiers based at least in part on ranking score (column 23, lines 12-19, wherein the web pages are ranked based on the date of when the web page was visited, Ryan).

Claim 53:

Regarding Claim 53, Ryan teaches a method comprising:

receiving an event, the event comprising activity associated with an article on a client device (Refer to claims 1 and 27, wherein this limitation has already been addressed, Ryan);

receiving an event, the event comprising activity associated with an article on a client device (Refer to claims 1 and 27, wherein this limitation has already been addressed, Ryan);

extracting at least one keyword from the event (Refer to claims 1 and 27, wherein this limitation has already been addressed, Ryan);

generating a query based at least in part on the at least one keyword (Refer to claims 1 and 27, wherein this limitation has already been addressed, Ryan);

performing a search based at least in part on the query to determine a result set, wherein the result set comprises one or more article identifiers associated with articles comprising the at least one keyword (Refer to claims 1 and 27, wherein this limitation has already been addressed, Ryan); and

determining a ranking score for the one or more article identifiers based on one or more of:
user preference data, click-through data, file type, meta-data, TF, IDF, number data, capitalization data, proper names, number of sources, and number of queries (Refer to claim 2, wherein user preference imitation has already been addressed, Ryan).

Prior Art of Record

1. Ryan et al. (US Patent No. 6,421,675) discloses updating an Internet search engine database with the results of user's selection of specific web page listing from the general web page listing provided to user as a result of his initial keyword search entry.
2. Douglass et al (US Publication No. 20020040311) discloses a computerized web page rating method encoded on a computer readable medium.

Point of Contact:

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Helene Rose whose telephone number is (571) 272-0749. The examiner can normally be reached on 8:00am - 4:30pm Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong can be reached on (571) 272-1834. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Helene Rose
Technology Center 2100
September 29, 2006



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